

# Mustafa ARSLAN

## Computer Engineer

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I discovered my passion for technology at 17 through a robotics competition and pursued Computer Engineering, gaining experience in software development, web applications, and AI. Driven by curiosity and persistence, I strive to create innovative solutions and continuously improve.

### EDUCATION

**Computer Engineer, Malatya Turgut Özal** 2021 – 2025  
University

**Kahta BİST Anatolian** 2014 – 2019  
High School

### SKILLS

- C/C++/C#
- Python
- ASP.NET
- Entity Framework
- Machine Learning
- Deep Learning
- SQL
- problem solving
- Mikroservis mimarisi
- Docker

### LANGUAGES

**English**  
B1

### PROJECTS

#### Animal detection app

A frontend interface has been designed with 3 pages, and 18 animals have been trained using CNN. FastAPI has been used to predict, save the past predictions to MSSQL, and retrieve the past predictions from MSSQL.

**Meeting Application, Backend: ASP.NET Core (Layered Architecture) | Frontend: HTML, CSS, JavaScript | Real-Time Communication: SignalR | Database: MSSQL**

Developed a web-based meeting application that enables users to create instant meetings with secure JWT authentication, featuring real-time messaging and video chat capabilities using SignalR. The backend is built with a clean, layered architecture and utilizes MSSQL as the primary database system.

#### CarBook

In my **CarBook** car rental project developed with ASP.NET Core 8.0, I implemented **CQRS and MediatR patterns, JWT-based authentication, role-based authorization**, and a **layered architecture (Domain, Application, Persistence, WebAPI, WebUI)**. I utilized **Entity Framework Core** and **IHttpClientFactory** for secure communication between the API and the MVC interface. The project features a component-based UI structure and authorization management based on Admin/Member roles.

### CERTIFICATES

- Python Programming for Data Science